

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-278443

(43)Date of publication of application : 28.10.1997

(51)Int.Cl.

C01G 23/053

B01J 19/00

(21)Application number : 08-115379

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(22)Date of filing : 12.04.1996

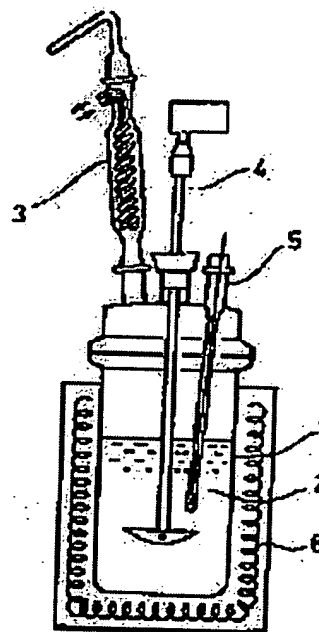
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(54) TITANIUM OXIDE PARTICULATES AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide titanium oxide particulates having a particle diameter and a specific surface area suitable for sintering and small in aggregation at the time of heating.

SOLUTION: This titanium oxide particulates have 0.1–0.5 μ m average particle diameter and 40–95m²/g specific surface area and have a property that the specific surface area becomes 10–30m²/g in the case of heating the particulates at 800°C for 30min. The particulates are produced by preparing a mixed solution of titanium tetrachloride and water with a polycarboxylic acid at <50°C, heating to the hydrolyzing temp. of titanium tetrachloride and filtering, drying and heat treating the resultant precipitate. In such a case, the hydrolyzing reaction is executed preferably while suppressing the releasing of generated hydrogen chloride gas by providing a reflux condenser 3.



LEGAL STATUS

[Date of request for examination]

28.11.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]